Abstract

A fuel cell includes a fuel cell main unit (110) in which organic liquid fuel is supplied to a fuel electrode (102) as fuel, and a vibration generating unit (314, 324) which generates vibration to vibrate the fuel electrode (102) such that carbon dioxide generated at the fuel electrode is removed. The fuel cell may includes a control unit (463) which controls an operation of the vibration generating unit (314, 324) based on an output of the fuel cell main unit (110).